

## PO Job Risk Assessment

<b>Name(s) of Risk Team Members:</b> J. Thomas, W. Schoenig, J. Vignola (facilitator)	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title: Radiation generating devices</b>  <b>Job Number or Job Identifier: PO-JRA-019</b>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Description:</b> Use and operation of radiation generating devices (RGDs). May include certain radioactive sources, as defined in the SBMS Subject Area.	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional):	<b>Likelihood (D)</b>	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Rev. #: 0	Date: <b>March 11, 2005</b>					
<b>Stressors (if applicable, please list all):</b>		<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>	

				Before Additional Controls							After Additional Controls					
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Inserting or removing samples	Radiation exposure	Shielding, enclosure, interlocks, radiation postings, procedures, training, RGD Subject Area	N	1	4	4	1	16								
Operation of device	Radiation exposure	Shielding, enclosure, interlocks, radiation postings, procedures, training, RGD Subject Area	N	1	4	1	1	4								

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Use of radioactive source generator	Radiation exposure	Shielding, enclosure, interlocks, radiation postings, procedures, training, RGD Subject Area, Sealed Radioactive Source Subject Area	N	1	1	1	1	1								
	Spread of radioactive contamination	Training, source encapsulation, procedures, radiation postings, PPE	N	1	1	1	1	1								
Maintenance	Radiation exposure	Shielding, enclosure, interlocks, LOTO, radiation postings, procedures, training, RGD Subject Area	N	1	2	1	1	2								
	Electrical shock	LOTO, training, PPE, procedures, interlocks	N	1	2	2	1	4								
	Reflex injury from electrical shock	LOTO, training, PPE, procedures, interlocks, clean working area	N	1	2	2	1	4								
	Being caught or pulled into machinery (e.g., vacuum pump)	LOTO, training, PPE, procedures, interlocks, clean working area, proper tools	N	1	2	2	1	4								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate					61 to 80 Substantial			81 or greater Intolerable					